

Romanian edition (Bucharest, 1970). Editura Academiei, Bucharest, and Abacus Press, Tunbridge Wells, Kent, England, 1976 (U.S. distributor, International Scholarly Book Services, Forest Grove, Ore.). 340 pp. \$43.50. To order this book circle No. 369 on Readers' Service Card

Proceedings of the Symposium on Sitting Posture, Sitzhaltung, Posture Assise. Zurich, Sept. 1968. Taylor and Francis, London, 1976 (U.S. distributor, Halsted [Wiley], New York). x, 254 pp., illus. \$22.50. Reprint of the 1969 edition. To order this book circle No. 370 on Readers' Service Card

Progress in Physical Organic Chemistry. Vol. 12. Robert W. Taft, Ed. Interscience (Wiley), New York, 1976. xiv, 368 pp., illus. \$32.95. To order this book circle No. 371 on Readers' Service Card

Recycling Waste. Paul I. Slee Smith. Scientific Publications, Broseley, Shropshire, England, 1976 (U.S. distributor, Scholium International, Flushing, N.Y.). Variously paged. \$18.

Rethinking Symbolism. Dan Sperber. Translated from the French edition (Paris, 1974) by Alice L. Morton. Cambridge University Press, New York, and Hermann, Paris, 1975. xiv, 154 pp. Cloth, \$13.75; paper, \$4.95. Cambridge Studies and Papers in Social Anthropology.

Reviews of Physiology, Biochemistry and Pharmacology. Vol. 76. R. H. Adrian and seven others, Eds. Springer-Verlag, New York, 1976. iv, 216 pp., illus. \$48.40.

Scientific Models for Experimenters. With an Introduction to Electricity and Magnetism, Harry E. Stockman. SERCOLAB, Arlington, Mass., 1976. Two volumes. xvi, 402 pp., illus. Paper, \$10.95.

Sensory Functions of the Skin in Primates. With Special Reference to Man. Proceedings of a symposium, Stockholm, Jan. 1976. Yngve Zotterman, Ed. Pergamon, New York, 1976. xii, 608 pp., illus. \$30. Wenner-Gren Center International Symposium Series, vol. 27.

Silicate Science. Vol. 8, Industrial Glass: Glazes and Enamels. Wilhelm Eitel. Academic Press, New York, 1976. xvi, 396 pp., illus. \$39.

Slow Viruses. David H. Adams and Thomas M. Bell. Addison-Wesley Advanced Book Program, Reading, Mass., 1976. x, 214 pp. Cloth, \$19.50; paper, \$7.50. To order this book circle No. 372 on Readers' Service Card

Solution of Boundary Value Problems by the Method of Integral Operators. D. L. Colton. Pitman, San Francisco, 1976. viii, 148 pp. Paper, \$12.90. Research Notes in Mathematics, 6.

Studies of the Effectiveness of Treatments for Drug Abuse. Vol. 5, Evaluation of Treatment Outcomes for 1972-1973 DARF Admission Cohort. S. B. Sells and D. Dwayne Simpson, Eds. Ballinger (Lippincott), Cambridge, Mass., 1976. xxxii, 524 pp. \$25.

Technology as a Social and Political Phenomenon. Philip L. Bereano. Wiley, New York, 1976. x, 544 pp. \$13.95.

The Ukrainian Herald, Issue 7-8: Ethnocide of Ukrainians in the U.S.S.R. Compiled by Maksym Sahaydak. Translated from the Ukrainian and edited by Olena Saciuk and Bohdan Yasen. Smoloskyp Publishers, Baltimore 1976. iv, 210 pp. Cloth, \$6.95; paper, \$3.95.

The World You Never See: Insect Life. Theodore Rowland-Entwistle in conjunction with Oxford Scientific Films. Rand McNally, Chicago, 1976. 128 pp., illus. \$9.95.

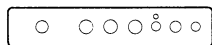
The World You Never See: Underwater Life. Peter Parks. Photographs by the author. Rand McNally, Chicago, 1976. 128 pp. \$9.95.

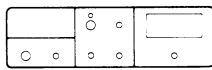
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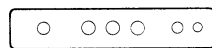
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Biologist, B.A. 1976 Whitman College, wildlife, botany, and ecology. Minor studies in chemistry and environmental analysis. Top 99th percentile on National Undergraduate Biology Test. Seeks field work, research position, or EIS work. D. Evans, 1835 Jay Street, Pasco, Washington 99301; telephone: 509-547-9486. X

Biomedical Communicator, for professional or lay audience. Interviewing, literature research, writing, editing, photography. Ph.D. in biochemistry, M.P.H. in epidemiology, university research/teaching background, plus newspaper and magazine experience. Award-winning science writer. Seeks permanent editorial position or free-lance assignments. P. L. Petrakis, 12115 Bluhill Road, Wheaton, Maryland 20902. X

Cellular Immunologist, Ph.D. 1969. Publications delayed hypersensitivity mediators, autoimmune and parasitologic events. Experienced in immediate hypersensitivity mediators, immunobiology of IgE, immunochemistry, fluorescence, tissue culture, radioisotopes. Postdoctoral, now ongoing research. Seeks position in Southern U.S. (East-West); institutional, academic, industrial; to establish, direct, or collaborate with group. Box 168, SCIENCE. 4/8,15

Chemist/Pharmacologist, Ph.D. Seeks challenging position in government or industry. Experience: pharmacokinetics, metabolism, toxicity of drugs, pesticides and toxic substances, proteins, immunochemistry, cancer, radioisotope, EPA, FDA, NIOSH regulations, contract research. Administration. Publications. Available immediately. Box 107, SCIENCE. 4/8,22;5/6,20

Clinical Biochemist, M.T., Ph.D. (biochemistry). Specialist in chemistry (ASCP), broad experience in clinical laboratory, radioimmunoassay, special chemistry, automation, method development, teaching, and management. Publications in clinical research. Seeks permanent position in clinical/industrial laboratory. Willing to relocate. Box 149, SCIENCE. 4/8,15

Histophysiolgist: Ph.D. Seeking research and/or academic position; 4 years of undergraduate teaching experience, histology, histochemistry, comparative animal physiology, general biology, invertebrate zoology; publications. M. Momin, 4848 Arlington Boulevard, Arlington, Virginia 22204. X

POSITIONS WANTED

Fishery Biologist/Attorney, M.S., University of Miami, 1974; J.D. in ocean and coastal law, University of Miami, May 1977. Over 2 years of experience with National Marine Fisheries Service; 2 years of experience as research assistant in ocean and coastal law. Publications in fisheries and law. Seeks industrial-government-academic position. W. Stepien, 1252 Walsh Avenue, Apartment 28K, Coral Gables, Florida 33146. X

M.D. interested in research or administration with strong background and experience in toxicology, nutrition, and carcinogenesis; seeks academic or industrial position. Publications. Box 164, SCIENCE. X

Medical Microbiologist, Ph.D., Diplomate American Board of Medical Microbiology; extensive experience in clinical microbiology and immunology, production of diagnostics and teaching; many publications; seeks challenging position in industry R & D or hospital laboratory. Teaching opportunities welcome. Box 162, SCIENCE. X

Postdoctoral post for **Neurobiologist** in October. Degrees in relevant subjects. Expect Ph.D. in June. Experienced in intracellular techniques, some in vivo. Interested in hypothalamus. List of publications, curriculum vitae, and references sent upon request. Box 167, SCIENCE. X

Ph.D. 1971; biochemistry, endocrinology, enzymology, cyclic nucleotides and relevant enzymes, coronary vascular pharmacology, ovulation mechanisms, steroid biochemistry, tissue culture, histology, statistics, laboratory instructor; available June 1977, area open; industry/academic/government. Box 166, SCIENCE. X

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Scripps Institution of Oceanography Marine Physical Laboratory, again, is advertising a faculty/research opening in **ACOUSTIC/SIGNAL PROCESSING**. The level of the position is open, from assistant professor/assistant research scientist up to full professor/research scientist (\$16,000 to \$38,700) depending on qualifications and experience. Position details may be obtained by writing **Dr. F. N. Spiess, Marine Physical Laboratory of the Scripps Institution of Oceanography, University of California, San Diego, San Diego California 92152. Telephone: 714-452-2300. The University of California, San Diego, is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.**

ANATOMISTS

Two positions for assistant professor in the Department of Anatomy. Applicants must have the Ph.D. or expect to receive it by 1 August 1977. The major area of teaching competence and interest must be human gross anatomy with a secondary interest in human histology and/or developmental anatomy with research interest in cell or development biology. Salary commensurate with education and experience. Send curriculum vitae to: **Dr. John J. Chiakulas, Acting Chairman, Department of Anatomy, The University of Health Sciences/The Chicago Medical School, 2020 West Ogden Avenue, Chicago, Ill. 60612. Affirmative Action/Equal Opportunity Employer**

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POSITIONS OPEN

TEMPORARY ANATOMY POSITION. Applications are invited for a temporary 9 to 10 month appointment teaching human anatomy and histology to medical students and undergraduates at Washington State University. Candidates must be on site by 1 September 1977. Appointment can be made as early as 1 August. Closing date is 13 May. Extensive training in human gross anatomy and histology, the earned doctorate, preferably the Ph.D. in anatomy, and a record of successful teaching are required. The candidate's reference should treat the quality of teaching performance and effectiveness with as much documentation and authority as possible. A letter of application, curriculum vitae, transcripts from all colleges and universities attended, and three letters of recommendation should be submitted to: **Anatomy Search Committee, 102 Morrill Hall, Washington State University, Pullman, Wash. 99164. Telephone: 509-335-2602. Washington State University is an Equal Opportunity/Affirmative Action Employer.**

ANIMAL PHYSIOLOGIST

A position for an assistant professor is open beginning 15 August 1977, in the life science faculty at the University of Texas of the Permian Basin. This is primarily a teaching position; duties include human anatomy and physiology, animal physiology, and functional anatomy. Interest in physiological ecology or physiology of exercise strongly desired.

The University of Texas of the Permian Basin is an upper-level institution. The life science faculty offers both B.S. and M.S. degrees. Send curriculum vitae, or for further information write to:

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THE UNIVERSITY OF MICHIGAN Department of Psychiatry Assistant to Full Professor

A clinically experienced, senior, Board-certified **child psychiatrist** is necessary. Duties include some direct service to patients, supervision and teaching of residents, child fellows, medical students, psychology interns, social work students, and so forth. Experience in dynamic psychiatry essential. Knowledge of other modalities, including behavior therapy desirable. Research interests and abilities a distinct asset. Code 1100GO. Send résumé to **Box 160, SCIENCE. A nondiscriminatory, Affirmative Action Employer.**

THE UNIVERSITY OF MICHIGAN Department of Psychiatry Clinical Instructor or Assistant Professor

Junior **child psychiatrist**, Board-eligible. Training in family therapy an essential requirement. Interest in research highly desirable. Duties will include teaching and supervision of residents, child fellows, medical students, and so forth, as well as participation in the organization of family therapy services in the youth service. Code 2500IO. Send résumé to **Box 161, SCIENCE. A nondiscriminatory, Affirmative Action Employer.**

THE UNIVERSITY OF MICHIGAN Department of Psychiatry Three Junior Faculty Positions

For clinically gifted junior **psychiatrists** at the youth services. Must be Board-eligible. Familiarity with dynamic psychiatry desirable. Knowledge of other modalities an asset. Research interests and abilities are essential. Duties include teaching and supervision of medical students, residents, child fellows, and other trainees. Level of academic appointment dependent on experience and qualification. Codes: 2600DO, 1800HO, 3200HO, 1200FO. Send résumé to: **Box 158, SCIENCE. A nondiscriminatory, Affirmative Action Employer.**

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ASSISTANT PROFESSOR: One year sabbatical replacement in statistics at Claremont Men's College and in mathematics at Pitzer College for academic year 1977-78. Please respond by 22 April to: **Mathematics Department, Claremont Men's College or Pitzer College, Claremont, California 91711. Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR OF BIOCHEMISTRY

Position beginning in the 1977-1978 academic year. Training and research skill in translational or transcriptional control in eucaryotic cells. Ph.D. or M.D.; 2 years of postdoctoral experience in a laboratory well known in this area; strong recommendations relative to research ability and teaching competence; demonstrated productivity and evaluations which give clear indication of an ability to initiate and develop an effective, independent research program; articulate and able to perform effectively as a lecturer and in more informal teaching situations at the medical and graduate student and postdoctoral level. Send a complete curriculum vitae, bibliography, two or more letters of recommendation bearing on points above, brief description of future research interests, objectives and experimental plan, and reprints to **Philipp Strittmatter, Department of Biochemistry, University of Connecticut Health Center, Farmington, Conn. 06032, by 1 May 1977.**

An Equal Opportunity/Affirmative Action Employer

ASSISTANT/ASSOCIATE PROFESSOR—MARINE ECOLOGY. Salary commensurate with rank and experience. The Marine Sciences Institute of the University of Connecticut invites applications for faculty position available 1 September 1977. The appointee will be expected to develop extramural funding sources in support of his/her research programs. The appointee will also be a member of the ecology section of the biological sciences group and will teach an undergraduate course in marine biology and graduate courses in field of specialization. Preference will be given to candidates with postdoctoral experience in benthic or zooplankton community processes and a strong background in biomathematics. Applicants should send their curriculum vitae, statements of research plans, reprints, and names and addresses of three references to: **S. Y. Feng, Search Committee, Marine Sciences Institute, University of Connecticut, Groton, Connecticut 06340. Deadline for application is 15 April 1977. An Equal Opportunity Employer.**

ASSISTANT OR ASSOCIATE PROFESSOR OF PHYSIOLOGY (Ph.D. and/or M.D.). Teaching and research abilities are the primary considerations. Areas in order of priority: neuroendocrinology, renal, membrane transport. Teaching responsibilities include medical, nursing, and graduate students. Must be willing and able to effectively teach areas other than in primary research interest. Minimum salaries: assistant professor—\$18,000; associate professor—\$23,500. Effective date: 1 July 1977. Send curriculum vitae and three references to **Carleton H. Baker, Ph.D., Professor and Chairman, Department of Physiology, Box 8, College of Medicine, University of South Florida, Tampa, Florida 33612. The University of South Florida is an Affirmative Action/Equal Opportunity Employer.**

THE UNIVERSITY OF CALGARY DEPARTMENT OF BIOLOGY ASSISTANT PROFESSOR IN VIROLOGY

Applications are invited from virologists, interested and committed to excellence in undergraduate teaching as well as graduate teaching and research, for the following post that will become available on 1 August 1977.

Assistant professor to be responsible for a course in virology at the senior undergraduate level and to assist in teaching immunology and general cell biology. An assistant professor is a full-time teaching appointment with a salary having a floor of \$16,630 per annum (likely to be adjusted effective 1 July 1977). This appointment will be made for a 3-year term (in the first instance).

Applicants should submit curriculum vitae and ask three referees to send letters of reference to **Dr. J. H. Williamson, Head, Department of Biology, University of Calgary, Alberta, Canada T2N 1N4 by 31 May 1977.**

POSITIONS OPEN

RUTGERS UNIVERSITY

An **ASSISTANT PROFESSORSHIP** is available for September 1977 in the general area of **ZOOLOGY**. Primary responsibility will be to develop and teach an introductory biology sequence on a long-term basis. Candidate should be able to document interest and excellence in introductory teaching. In addition, commitment to research in some field of zoology is essential. Ph.D. required. Application deadline: 2 May 1977. Send curriculum vitae together with evidence for teaching and research potential, to: **Dr. Franklyn G. Jenifer, Chairman, Department of Biology, Livingston College, Rutgers University, New Brunswick, N.J. 08903. Women and members of minority groups are encouraged to apply.**

ASTROPHYSICS POSITION AT NEW YORK UNIVERSITY

The Physics Department of New York University, in fall 1977, expects to have a faculty position for an astrophysicist. Although the position would normally be at the assistant professor level, it is conceivable that a more senior appointment could be made for a highly qualified individual. While there is a preference for a theoretical astrophysicist, observers with suitable programs should apply. Candidates must be able to conduct research of significance and to contribute strongly in the department's undergraduate teaching program. Applications should be submitted to **Professor E. L. Schucking, Chairman of the Search Committee, 4 Washington Place, New York, N.Y. 10003. New York University is an Equal Opportunity/Affirmative Action Employer.**

MILLERSVILLE STATE COLLEGE LANCASTER COUNTY, PA. BIOLOGY DEPARTMENT

Three positions will be filled effective 1 September 1977. Applicants with doctorate should be interested in teaching biology to nonscience students and biology majors and in developing undergraduate and graduate courses in their specialty. Opportunity exists to participate in community oriented education and to engage in meaningful research in a well-equipped department. Rank dependent upon qualifications. Salary competitive.

- 1) **BOTANIST:** To teach plant development and applied botany. Experience in horticulture or plant pathology desirable.
- 2) **QUANTITATIVE MAMMALIAN ECOLOGIST:** To teach upper level undergraduate course in ecology, mammalogy, population dynamics, wildlife management, or endocrinology.
- 3) **MOLECULAR BIOLOGIST/BIOCHEMIST:** To teach cell biology, biochemistry, or microbial genetics.

Respond by 15 April 1977 to: **Dr. Albert C. Hoffman, Chairperson, Search Committee, Department of Biology, Millersville State College, Millersville, Pa. 17551. Millersville State College is an Affirmative Action/Equal Opportunity Employer.**

CELL BIOLOGIST, NEUROCHEMIST, GROSS ANATOMIST University of Pennsylvania, School of Medicine

The Department of Anatomy invites applications for two assistant professorships. Interest in teaching gross anatomy desirable. Applicants should have a strong commitment to research and education. Interested persons should submit a curriculum vitae plus a brief statement of research interests and teaching experience and have three letters of recommendation sent to **Dr. Frank A. Pepe, Chairman, Anatomy Department, School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania 19104.**

CELLULAR PSYCHOLOGIST with strong biochemical background for calcium transport studies. Send letters of application, including names of references, to: **Dr. Felix Bronner, Department of Oral Biology, University of Connecticut Health Center, Farmington, Connecticut 06032. An Equal Opportunity Employer, M/F.**

POSITIONS OPEN

VISITING ASSISTANT PROFESSOR OF BIOLOGY

To replace faculty on leave for academic year 1977-1978. Duties will include teaching introductory biology and courses in plant sciences. Send curriculum vitae and list of three references to **Dr. Martin Sage, Department of Biology, University of Missouri-St. Louis, St. Louis, Missouri 63121. An Equal Opportunity/Affirmative Action Employer**

ASSISTANT PROFESSOR, OPHTHALMOLOGY

Applications are sought for a subspecialist in retinal-vitreous diseases. This academic position requires postresidency training and experience in vitreous, macular, and retinal disorders; documented teaching; and administrative and research abilities. Please send inquiries and curriculum vitae to **Stephen J. Ryan, M.D., Chairman, Department of Ophthalmology, University of Southern California School of Medicine, Doheny Eye Foundation Building, 1355 San Pablo Street, Los Angeles, California 90033. The University of Southern California is an Equal Opportunity and Affirmative Action Employer.**

The UCLA School of Medicine is seeking the most highly qualified person to become **CHAIRMAN** of its Department of Pediatrics on 1 July 1977. Candidates must have substantial background in academic pediatrics, with interest and experience in patient care, teaching, research, and administration. *UCLA is an Equal Opportunity/Affirmative Action Employer and encourages minority and women candidates to apply.* Interested persons should submit letters summarizing their qualifications to: **Chairman, Pediatrics Search Committee, c/o Dean, UCLA School of Medicine, Los Angeles, California 90024.**

The University of California, Los Angeles, invites applications for the newly established **ELEANOR LESLIE CHAIR OF NEUROSCIENCE** from neuroscientists of outstanding accomplishments and international recognition. The search committee favors candidates whose research interests lie in the area of molecular neurobiology and/or the structures, properties, or biogenesis of neurotransmitter receptors, but highly qualified candidates from any other area of neuroscience will be considered.

Applications or nominations should be submitted with a curriculum vitae and bibliography to:

**Chairman, Leslie Search Committee
c/o Dean's Office
UCLA School of Medicine
Los Angeles, California 90024**

All applications and inquiries will be treated in strict confidence. *All candidates who meet the above qualifications are encouraged to apply regardless of sex or ethnic origin. UCLA is an Equal Opportunity/Affirmative Action Employer.*

CHAIRPERSON: Department of Zoology, Oregon State University. Responsibility for the overall quality of the department in the discipline of zoology. Applicants should possess a doctorate and qualifications for appointment at the rank of professor. University-level teaching experience, a record of scholarly achievement, and evidence of or potential for administrative ability are required. Position open 1 July 1977 to be filled no later than 1 January 1978. Application deadline is 1 May 1977. Write to:

**Chairperson, Search Committee
Department of Zoology
Oregon State University
Corvallis, Oregon 97331**

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CHAIRMAN DEPARTMENT OF PHYSIOLOGY

The College of Medicine of the University of South Alabama is seeking candidates for chairman (M/F), Department of Physiology. Prospective candidates should be prepared to develop a first-rate academic department within the setting of a rapidly developing program of medical education. Candidates must have demonstrated scholarly as well as administrative and managerial abilities. Interested individuals are invited to apply by direct submission of curriculum vitae and three letters of recommendation to:

**Dr. Charles M. Baugh
Chairman, Search Committee
Department of Biochemistry
College of Medicine
University of South Alabama
Mobile, Alabama 36688**

The University of South Alabama is an Equal Opportunity Employer.

POSITIONS OPEN

UNIVERSITY OF CALIFORNIA, IRVINE

The University of California, Irvine, Department of Psychiatry and Human Behavior, invites applicants for a full-time position as **CHIEF, PSYCHIATRIC SERVICE**, Long Beach, V.A. Hospital, with university faculty appointment at professor level. The LBVAH program is a fully integrated component of the UCI medical student and residency training programs in psychiatry. M.D. degree, 3 years of accredited psychiatric residency, California licensure, and evidence of senior levels of academic performance required. *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.* Send curriculum vitae and names of three references to **Dr. E. Mansell Pattison, University of California, Irvine, Calif. 92717.**

CHIEF TECHNICIAN-EDUCATIONAL COORDINATOR OF HISTOTECHNOLOGY—Applications are invited from persons with M.S. degree and experience in teaching histotechs, service histology, enzyme and/or immuno-histochemistry. Send résumé, publications, and names of three references to: **Dr. L. Vacca, Pathology Department, Medical College of Georgia, Augusta, Georgia 30902.**

DIRECTOR YERKES REGIONAL PRIMATE RESEARCH CENTER EMORY UNIVERSITY

Emory University seeks applications for the position of director, Yerkes Regional Primate Research Center. Qualifications sought are a doctoral degree; leadership in interdisciplinary research management; experience in dealing with federal, state, and industrial funding sources; and a knowledge of general university administrative operations. Also desired is a distinguished research record in biological, behavioral, or medical science, as well as experience in teaching and research direction at the graduate level. Applications or nominations with current résumés, names of three professional references, and other pertinent information should be submitted prior to 1 June 1977, to the chairman of the search committee: **Orle E. Myers, Jr., Vice President for Business, Emory University, Atlanta, Georgia 30322.**

An Equal Opportunity/Affirmative Action Employer

DIRECTOR DIVISION OF BIOLOGICAL SCIENCES

Cornell University seeks a director to be responsible for academic and administrative leadership of its large, integrated program in the biological sciences. The faculty for the program is drawn from the colleges of arts and sciences, agriculture and life sciences, and veterinary medicine.

An established record of achievements as a scholar and researcher coupled with broad understanding of both the biological sciences and administrative concerns are the primary qualifications.

Submit curriculum vitae to:

**Provost David C. Knapp
Chairman of the Search Committee
300 Day Hall
Cornell University
Ithaca, New York 14853**

Cornell University is an Affirmative Action Employer.

ENTREPRENEUR

Wanted, the president for a new company creating products utilizing recombinant DNA techniques: prefer background in this technology and in business. Contact **Robert Johnston** at 609-924-3131 or Johnston Associates, Pretty Brook Road, Princeton, N.J. 08540.

EPIDEMIOLOGIST

To develop a research program to investigate the health and disease effects of environmental pollution with initial emphasis on air pollution. Strong background in biology, physical sciences, and air pollution research desirable. Send résumé and references to: **LAWRENCE BERKELEY LABORATORY, Employment Office, One Cyclotron Road, Building 90, Room 3024, Berkeley, Calif. 94720.** *An Equal Opportunity and Affirmative Action Employer.*

POSITIONS OPEN

DRUG METABOLISM-Ph.D.

A Ph.D. with experience in drug metabolism is required for this assistant department director's position. Additionally, 5 years of related experience is needed by this individual who will supervise all drug metabolic research and development. Some background in administration would be helpful.

We offer an attractive starting salary and superior benefits package.

Please forward résumé, including salary history and expectations, to:

**J. D. Fursman
E. R. Squibb & Sons, Inc.
Dept. G.R.K.
P.O. Box 4000
Princeton, New Jersey 08540**

An Equal Opportunity Employer, M/F

EPIDEMIOLOGIST/BIostatistician, assistant professor level, a major interest in design/execution of epidemiologic studies; develop and implement teaching curriculum for medical and other students; provide consultation; computer knowledge desirable. *Affirmative Action/Equal Opportunity Employer.* Closing date: 25 April. Send résumé and references to **Recruitment Committee, Department of Medical Social Science, Bowman Gray School of Medicine, Wake Forest University, Winston-Salem, N.C. 27103.**

FACULTY POSITIONS DEPARTMENT OF MICROBIOLOGY

The College of Medicine of the University of South Alabama is seeking candidates for three faculty positions in the Department of Microbiology/Immunology. Applicants should have demonstrated ability to teach medical microbiology and conduct basic research in the membrane biology of infectious agents or neoplasia. Research orientation may be in virology, membrane structure or function in pathogenic microorganisms, or in immunological problems associated with membranes. Several levels of faculty membership are open depending on experience. Only applicants who can establish their teaching ability and their research potential will be considered. *This University is an Equal Opportunity Employer.* Interested individuals are invited to apply by direct submission of curriculum vitae and three letters of recommendation to:

**Dr. Joseph H. Coggin, Jr., Chairman
Department of Microbiology
University of South Alabama
Mobile, Alabama 36688**

FACULTY POSITION-DERMATOLOGY

Full-time position in Section of Dermatology, Department of Medicine, State University of New York, Upstate Medical Center, *An Equal Opportunity Employer.* Academic rank commensurate with individual qualifications. Interested candidates should submit credentials including a statement of research interest to: **Dr. Fuad S. Farah, Chief, Section of Dermatology, Department of Medicine, Upstate Medical Center, 750 East Adams Street, Syracuse, New York 13210.**

FACULTY POSITION

Applications are invited for a faculty appointment in the Department of Medical Microbiology, College of Medicine, effective 1 July 1978. Such appointments are usually made as assistant professor. To teach microbiology, virology, or immunology to medical and graduate students. Research should be at the basic biochemical or genetic level. Postdoctoral experience in microbiology and biochemistry strongly preferred. *Applications from all qualified candidates welcome. Women and minorities encouraged to apply.* Send curriculum vitae and four letters of recommendation to: **Dr. Paul Sypherd, Department of Medical Microbiology, University of California, Irvine, College of Medicine, Irvine, Calif. 92717, before 1 August 1977.**

GENETICISTS

The Laboratory of Genetics, University of Wisconsin-Madison, expects to make two or three appointments in 1977-78 or 1978-79 at the assistant professor level. Applications in plant cell culture, human cytogenetics, clinical genetics, *Drosophila* genetics, and developmental genetics are especially invited, but all areas will be considered. Applicants should send a curriculum vitae, publication list, statement of research and teaching interests, and the names of three references. Send applications to: **James F. Crow, Chairman, Genetics Building, University of Wisconsin, Madison, Wis. 53706.**

CHIEF PATHOLOGIST, GENETIC TOXICOLOGIST

The Chemical Industry Institute of Toxicology (CIIT) seeks to fill these two important senior positions in its research organization. Both demand a strong research-oriented background, preferably but not necessarily with some experience in toxicology. Both will be heads of departments within the Institute, but participation in teamwork involving other disciplines is essential.

We offer a competitive salary and compensation program commensurate with experience and ability. Applicants may submit their résumé in complete confidence to **Don A. Hart, Administrative Manager, Chemical Industry Institute of Toxicology (CIIT), P.O. Box 12137, Research Triangle Park, N.C. 27709.**

CIIT, An Equal Opportunity Employer

FACULTY POSITIONS

College of Medicine King Faisal University Dammam, Saudi Arabia

Biology	Epidemiology
Chemistry	Biochemistry
Physics	Embryology
Anatomy	Physiology
Community medicine	Hematology
Biostatistics	Pathology

Applications are invited from U.S., British, and Canadian academicians who have a doctorate or similar degree and postdoctorate teaching experience. Openings are available immediately and for 1977-1978 at all levels. The language of instruction is English.

Salary ranges:		Approximate annual equivalent in U.S. dollars
Monthly salary and bonus in Saudi riyals		
Professor	6,720 to 7,392	\$22,600 to \$24,800
Associate professor	5,376 to 6,496	\$18,100 to \$21,800
Assistant professor	4,032 to 5,152	\$13,500 to \$17,300

M.D. degree commands a higher salary. Fringe benefits include free furnished accommodations and annual leave and travel allowance to country of origin.

Send résumé and names, addresses, and phone numbers of three references to:

**Mohammed T. Altorki, M.D., MRCP
Dean of the Medical Faculty
King Faisal University
c/o Saudi Arabian Educational Mission
2223 West Loop South, Suite 400
Houston, Texas 77027**

Specify teaching experience and date of availability.

POSITIONS OPEN

FIELD ECOLOGIST. Emphasis: invertebrate populations, preferably insects. Assistant professor appointment; 1 July 1977 contingent on funding. Interest in innovative teaching, expected to participate in field ecology course, develop undergraduate lab course emphasizing invertebrates, contribute to Ph.D. program in zoology. Salary/fringe benefits competitive. Send curriculum vitae and names of three references to **Dr. Leonard I. Borack, Chairman, Department of Zoology and Physiology, Rutgers University, 195 University Avenue, Newark, N.J. 07102.** *An Equal Opportunity/Affirmative Action Employer.*

GEOCHEMIST

The Department of Geology of the Université de Montréal is seeking to fill an academic post for a geochemist open as of June 1977. The successful applicant will have a broad geochemical background, be expected to teach undergraduate and graduate courses in geochemistry, supervise graduate student research at the Ph.D. level, and take responsibility for geochemical laboratories involving x-ray fluorescence, atomic absorption, gamma-ray spectroscopy, and standard wet chemical facilities. The Université de Montréal is a French-speaking university and the candidate must either be fluent in French or must teach in French within his/her first 3-year stay in the department. Applicants for this position must hold a Ph.D. degree and salary is commensurate with rank.

Qualified persons should send a complete résumé, including names of references, a statement of research interests, and planned research projects to **Monsieur le Directeur, Département de Géologie, Université de Montréal, C.P. 6128, Montréal H3C 3J7 Canada.**

LABORATORY DIRECTOR- DEPARTMENT ADMINISTRATOR Department of Biochemistry, Rice University

Responsibility for the administrative and service operations of the department. Duties will include fiscal management of budgets, personnel management of staff, research administration of grants and contracts. Substantial previous experience in the above areas and a reasonable scientific background are required. Send résumé and three letters of reference to **Professor George J. Schroepfer, c/o Sandra Vega, Allen Center, Rice University, Houston, Texas 77001.** *An Equal Opportunity/Affirmative Action Employer.*

UNIVERSITY OF QUEENSLAND LECTURER IN BIOCHEMISTRY

Applicants should hold a higher degree in biochemistry and have a strong commitment to both teaching and research. Quote Reference No. 12677, 2 May 1977.

Salary: lecturer: A\$13,850 to A\$18,389 per annum. Other benefits: superannuation, housing assistance, study leave travelling and removal expenses.

Further information and application forms are obtainable from the **Staff Officer, University of Queensland, St. Lucia, 4067, Australia.**

MEDICAL VIROLOGIST \$40,400 to \$46,700 per annum

Required as medical virologist for the public health laboratory system. You will: administer and supervise a large virology laboratory offering clinical, reference, and research services; personally engage in and supervise applied research to develop new tests, improve accuracy, rapidity or economy of operations (this will involve supervision of senior scientific staff and appropriate technical support); provide advice to ministry officials, private physicians, medical staff of hospitals, and medical officers of health; provide advice and/or teaching in medical virology in co-operation with various educational institutions.

Qualifications: M.D., F.R.C.P. (C) medical microbiology with specialty training in virology; many years experience and proven research capabilities; OR specialist standing in another jurisdiction acceptable as comparable to this certificate.

Applicant must be prepared to qualify for license to practice medicine in Ontario.

File HL 81-05/77.

Return application to:

**Ministry of Health
Human Resources Branch
Laboratory Services Branch
Box 900, Terminal "A"
Toronto, Ontario, Canada M5W 1R5**

POSITIONS OPEN

INSTRUCTOR OR ASSISTANT PROFESSOR OF ANATOMY. (Limited term. Full-time position will be available 1 July 1977 to 30 June 1978. Twelve-month appointment.) Ph.D. or M.D. equivalent. Teaching responsibility: Gross anatomy and embryology to freshman medical students. Send curriculum vitae and résumé to **Dr. W. S. S. Jee, Acting Chairman, Department of Anatomy, 2C110 Medical Center, University of Utah, Salt Lake City, Utah 84132.**

DEPARTMENT OF PSYCHIATRY Instructor or Assistant Professor

A Board-eligible or -certified psychiatrist necessary. Administrative, clinical, teaching, and research interests and skills are necessary. To direct the Department of Psychiatry's Program of Aftercare-Continuing Care, including coordinating a multifaceted clinical, rehabilitative program for the chronically mentally ill. Position is a 2-year appointment vitae and résumé to **Box 163, SCIENCE.** Code #100FO. *An Affirmative Action/Equal Opportunity Employer.*

MARINE GEOPHYSICIST

Applications are invited for a research associate position in marine geophysics in the Department of Oceanography, University of Washington. Duties will include research involving field experiments with ocean bottom geophysical equipment. Preference will be given to marine seismologists. Some post-Ph.D. experience desired. Send résumé and four letters of recommendation to **R. T. Merrill, Chairman, Faculty Recruitment Committee, Department of Oceanography, University of Washington, Seattle, Washington 98195.** Deadline for receipt of applications is 30 April 1977. *The University is an Equal Opportunity/Affirmative Action Employer.*

MICROBIAL GENETICIST

The Department of Biology, Texas Christian University, requests applications for an expected opening for the fall semester 1977. This is a tenure-track teaching-research position at the assistant professor level. Ph.D. required. The position involves teaching general biology, genetics, bacteriology, and any courses that may be developed by the individual. Must be capable of developing active research program. Deadline for applications is 22 April 1977. Send curriculum vitae, transcripts, and three letters of reference to **Dr. Andrew Paquet, Department of Biology, Texas Christian University, Fort Worth, Texas 76129.** *Texas Christian University is an Affirmative Action/Equal Opportunity/Title IX Employer.*

MICROBIAL GENETICIST (Ph.D.). Assistant professor to establish research and teaching program in microbial genetics, teach undergraduate general genetics, and assist on a rotational basis in freshman biology program. It is expected that outside funding will be sought for research. Postdoctoral experience desirable. Department occupies new (1976) building with excellent facilities and offers bachelor's and master's degrees in biological sciences with microbiology specialization. Starting date 1 September 1977. Send curriculum vitae and three letters of recommendation to **Dr. A. G. Canaris, Chairman, Department of Biological Sciences, The University of Texas at El Paso, El Paso, Texas 79968** by 1 June 1977. *An Equal Opportunity/Affirmative Action Employer.*

MICROBIOLOGIST. Our research and development department is seeking a recent Ph.D. with a strong background in immunochemical procedures to develop immunodiagnostic tests. Current emphasis includes immunofluorescence and enzyme immunoassays. Knowledge of protein and/or microbial antigen purification helpful. Salary negotiable. Please send curriculum vitae to: **Microbiological Associates, Biggs Ford Road, Personnel Manager, Building #100, Walkersville, Md. 21793.** *An Equal Opportunity Employer, M/F/H.*

NEMATOLOGIST

The Department of Nematology of the University of California, Riverside, invites applications for competent Ph.D.'s for the position of assistant nematologist to be stationed at the San Joaquin Valley Research and Extension Center, Parlier, California. The person sought should have some training and experience in the biology and control of nematode diseases, soil physics, and chemistry. Send curriculum vitae with names of references to **Dr. S. D. Van Gundy, Department of Nematology, University of California, Riverside, Calif. 92521.** *The University of California is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

MOLECULAR BIOLOGIST

The Department of Biological Science invites applications for a faculty appointment in molecular biology beginning September 1977. Duties include teaching an undergraduate core course in cell and molecular biology and graduate courses in area of expertise. Applicants must have a doctorate and are expected to conduct an active research program preferably in eucaryotic genetic control mechanisms.

Résumés and reference letters should be forwarded to **Dr. Marvin J. Rosenberg, Chairman, Department of Biological Science, California State University, Fullerton, California 92634.**

The University is an Affirmative Action/Equal Opportunity/Title IX Employer.

PHYSIOLOGY

The Department of Physiology, University of Kansas Medical Center, invites applications for assistant or associate professors, depending on qualifications. We are especially interested in the areas of neurophysiology, neurosciences, cellular physiology, and endocrinology although meritorious candidates in other fields will also be considered. Responsibilities include teaching medical students and graduate students and maintaining a strong research program. Preference will be given to candidates with postdoctoral fellowship training and evidence of research accomplishment in the form of past and current research support. Send curriculum vitae, three references, and a summary of teaching experience and research plans to: **The Chairman, Department of Physiology, University of Kansas Medical Center, 39 and Rainbow Boulevard, Kansas City, Kansas 66103.** *An Equal Opportunity/Affirmative Action Employer.*

PLANT ANATOMIST/MORPHOLOGIST

The Department of Plant Science, University of Delaware, has a position available 1 July 1977 at the assistant professor level. Candidates should be prepared to teach higher plant anatomy/morphology/taxonomy at undergraduate level, and to establish a research program in his/her area of specialty. Research experience with a plant of agronomic horticultural or heuristic value is desired, as is a collaborative instinct with staff, students, and colleagues. The specific area of research is open. Applicants should send curriculum vitae, transcripts, and three letters of reference to: **Dr. Donald F. Fieldhouse, Plant Science Department, University of Delaware, Newark, Delaware 19711,** before 1 May 1977.

The University of Delaware is an Equal Opportunity Employer.

POSTDOCTORAL APPOINTMENT to work on **regulation of membrane receptors:** activation, down regulation and coupling to adenyl cyclases. Strong background in membrane biochemistry and enzyme kinetics desired. Stipend: \$10,000 per year. Available immediately. Send curriculum vitae and references to **Lutz Birnbaumer, Professor, Department of Cell Biology, Baylor College of Medicine, Houston, Texas 77030.** *An Equal Opportunity Employer.*

POSTDOCTORAL APPOINTMENT to work on **regulation of gonadotropin action in ovarian cell types:** effects of estrogens, prolactin and cyclic nucleotides. Strong background in female reproductive physiology and/or tissue culture technique is desired. Stipend: \$10,000 per year. Available: immediate and fall/winter 1978. Send curriculum vitae and references to **Lutz Birnbaumer, Professor, Department of Cell Biology, Houston, Texas 77030.** *An Equal Opportunity Employer.*

POSTDOCTORAL ASSOCIATE. Research experience in enzymology, protein characterization, and peptide analysis. Must be able to conduct research independently. Position available up to 3 years beginning 1 June 1977. Starting salary: \$9,500 to \$10,500, based on experience. Send curriculum vitae, reprints of publications, and three letters of recommendation by 15 April to: **Postdoctoral Search Committee, Department of Botany and Microbiology, Arizona State University, Tempe, Arizona 85281.**

POSTDOCTORAL POSITION IN CANCER BIOLOGY

Available spring or summer 1977. Recent Ph.D., M.D., or D.V.M. Laboratory concentrating on biology and immunology of RNA tumor virus-induced diseases, especially feline. Send curriculum vitae to **Dr. M. Essex, Department of Microbiology, Harvard University School of Public Health, 665 Huntington Avenue, Boston, Mass. 02115.**

NATIONAL SCIENCE FOUNDATION

PROGRAM MANAGERS to serve in the Directorate for Science Education, Division of Science Education Development and Research

The National Science Foundation, an independent agency of the federal government, welcomes applications for the above positions. Applicants selected will be offered an excepted appointment under the NSF Act of 1950 as amended. Salary range from \$24,308 to \$43,923 per year. These are temporary rotational positions and will have a duration of up to 2 years. These appointments are suitable for persons who wish to gain a field overview and understanding of the processes of federal research support. This program is appropriate for individuals who are in a position to take a 1- or 2-year leave of absence from their current employment.

Program manager's responsibilities will consist of some combination of the following: participation in program planning and development, preparing and carrying out proposal evaluations, recommending funding actions and studies on science education R & D, project evaluation, dealing with inquiries from the public, and other routine business.

Ph.D. or equivalent combination of education and experience; established credentials in the natural or social sciences, engineering, mathematics, or science education research; significant experience in college or university teaching, developing innovative teaching materials or modes, or conducting science education or closely related social science research is desired.

Applicants should submit a full biographical summary by 6 May 1977 to the Division of Personnel and Management, Room 212, 1800 G Street, NW, Washington, D.C. 20550, attention: Section II, EX-77-25.

An Equal Opportunity/Affirmative Action Employer

DEPUTY DIRECTOR

Midwest Regional Energy-Environmental Studies Program

Argonne National Laboratory's Energy-Related Regional Studies Program presents a professional opportunity of unusual challenge and

interest to an MS, PhD or equivalent who can assume management responsibility for a major ERDA program. Objective is to analyze and quantify the technological, economic and environmental effects of energy resource development in the Midwestern region. Position involves interfacing with policymaking Federal, state and local officials, and representatives of the energy industry. It offers substantial opportunities for creative initiative in identifying and evaluating problems associated with the development and deployment of energy supply and distribution facilities, and in mitigating the associated impacts.

Qualifications should include several years of experience in problem formulation and energy-related public policy analysis, together with knowledge of techniques for analyzing the impacts of policy in such areas as environmental control, and familiarity with large-scale computerized analysis methods. Also desirable are an understanding of the coal fuel cycle and technologies for fossil energy extraction, conversion and distribution; familiarity with state-of-the-art of technology assessment methods; and a knowledge of regional systems such as transportation, land use, water resources and solid waste management.

Fully commensurate compensation and outstanding benefits program.

Forward detailed resume to:

**Mr. W. McFall, Argonne National Laboratory,
9700 South Cass Avenue, Argonne, Ill. 60439**



**ARGONNE
NATIONAL
LABORATORY**

*An Equal
Opportunity Employer
M/F, HDCPD*

Molecular Virologists

Abbott Laboratories, an acknowledged health care leader and a billion dollar international organization with a commitment to research is seeking highly qualified scientists for the RNA tumor virus research program. Candidate should have a Ph.D. plus experience in molecular biology and/or chemotherapy of RNA tumor viruses.

We offer an attractive salary and benefit package, solid professional support, and strong potential for career growth and development. For consideration, send a detailed resume with salary history, in complete confidence to:

Walt Smith
Corporate Placement

ABBOTT
NORTH CHICAGO, ILL. 60064

*Abbott is an Affirmative
Action Employer*

VIVARIUM DIRECTOR—DVM licensed to practice in the District of Columbia with post-graduate training in laboratory animal medicine. ACLAM Diplomate or eligibility for certification desirable. Demonstrated interest and competence in research, administration and communicative skills. The Vivarium Director is responsible for the management, development and accreditation of a facility serving the research and educational needs of the Georgetown University Medical Center. The vivarium houses primarily dogs, cats and various rodent species and occasionally primates, birds and a limited number of small domestic animals (goats, sheep). The position has administrative, secretarial and staff support. Opportunity exists for the successful candidate to develop his/her own research program and for collaboration. Salary and academic appointment are commensurate with experience and qualifications. Position is available immediately. Georgetown University is an Equal Opportunity/Affirmative Action Employer. Send curriculum vitae and names of references to:

Dr. H. B. Herscowitz
Chairman, Vivarium Director Search Committee
c/o Department of Microbiology
Georgetown University
Schools of Medicine & Dentistry
3900 Reservoir Road, N.W.
Washington, D.C. 20007

Deadline for receipt of applications: May 15, 1977

POSITIONS OPEN

PHYSICAL OCEANOGRAPHER

Postdoctoral research associate to aid in study of temporal and spatial variability of the Southern Ocean. Ph.D. and experience in time series analysis of oceanographic measurements required. Interest in comparing theoretical models with oceanographic observations is essential. Begin: 1 May. Two- or three-year tenure is anticipated. \$15,000 per year. Send résumé and three references to: **Dr. R. Dale Pillsbury, School of Oceanography, Oregon State University, Corvallis, Oregon 97331.** *An Affirmative Action/Equal Opportunity Employer*

POSTDOCTORAL POSITIONS

Positions are available for work on two projects: (i) thermodynamics of assembly of serum lipoprotein, and (ii) structure-function relations of membrane-bound proteins. Adequate background in both physical chemistry and biochemistry is essential. Send curriculum vitae and names of references to: **Dr. J. A. Reynolds, Department of Biochemistry, Duke University Medical Center, Durham, N.C. 27710.** *Duke University is an Equal Opportunity Employer.*

POSTDOCTORAL POSITION

Postdoctoral research associate position is available to join interdisciplinary program project group investigating neural control of respiration. Experience in CNS single unit recording is desirable. Salary depends upon qualifications. Send curriculum vitae, names of three references, and reprints of publications by 15 May 1977 to: **Dr. Fred Zechman, Department of Physiology and Biophysics, University of Kentucky Medical Center, Lexington, Ky. 40506.** *An Equal Opportunity Employer*

POSTDOCTORAL POSITION IN CHROMATIN BIOCHEMISTRY. Available summer 1977. Applicants should have strong background in protein in nucleic acid biochemistry. Please send résumé by 31 May, to: **Dr. L. Taichman, Department of Oral Biology, School of Dental Medicine, State University of New York at Stony Brook, Stony Brook, New York 11794.** *Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITIONS (TWO)

- 1) **Microbiologist**—to work on the isolation and interactions of microbial flora, for example, methanogens, cellulose degraders, and so forth, from the hindgut of the cockroach.
- 2) **Biochemist-Microbial Physiologist**—to work on the biochemistry of anaerobic degradations and on the biosynthesis of aliphatic compounds by insect cell cultures. \$11,000 to \$13,000 per year. Curriculum vitae and letters of reference to: **A. J. Markovetz, Department of Microbiology, University of Iowa, Iowa City, Iowa 52242.** *An Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL POSITION in the biochemistry and genetics of hypertension available 1 July 1977. Work centers around genetic animal models for hypertension. Applicant must have Ph.D. in a basic science (biochemistry, physiology, genetics, and so forth). Send curriculum vitae to: **Dr. John Rapp, Department of Medicine, Medical College of Ohio, C. S. 10008, Toledo, Ohio 43699.** *An Equal Opportunity Employer.*

POSTDOCTORAL POSITION in enzymology and protein chemistry related to physiological function. Send curriculum vitae and names of three references to: **Dr. I. B. Wilson, Department of Chemistry, University of Colorado, Boulder, Colorado 80309.** *An Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL RESEARCH ASSOCIATE. Immediate opening for individual with a demonstrated interest in the anatomy or biochemistry of controlled morphogenesis in plant tissue cultures. Will conduct own research program to interact with other existing projects. Salary competitive, commensurate with experience. Send résumé, names of three references, and brief description of research interests to: **Dr. R. L. Mott, Cell and Tissue Culture Laboratory, Department of Botany, North Carolina State University, Raleigh, North Carolina 27607.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

POSTDOCTORAL POSITION IN PHYSIOLOGY

The position available is for research in the area of membrane physiology in excitable tissues. The candidate should have a strong theoretical and experimental background in biophysical approaches to membrane biology, and an interest in the developmental aspect of excitability. The ideal candidate would have excellent theoretical skills and show great promise experimentally.

If you are interested in this position, please send your letter of application and résumé to:

**Dr. Wilfried Mommaerts, Chairman
University of California
Department of Physiology
53-259 Center for the Health Sciences
Los Angeles, California 90024**

Affirmative Action/Equal Opportunity Employer. Minority and women candidates are encouraged to apply.

PROGRAM ADMINISTRATOR for NORPAX (North Pacific Experiment). A scientist with a Ph.D. or equivalent in physical oceanography or meteorology with current knowledge in one or both fields and demonstrated abilities in program administration. NORPAX is a large-scale air-sea interaction/climate forecasting research program involving approximately 30 scientists and 13 institutions/agencies. The position, in the University of California, holds the title of academic administrator II or III (\$17,880 to \$27,936, commensurate with education, experience, and qualifications). A curriculum vitae should be sent to: **Chairman, Ocean Research Division, Scripps Institution of Oceanography A-020, La Jolla, California 92093.** Closing date: 25 April 1977. *The University of California, San Diego, is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.*

PSYCHOBIOLOGY. Two research associate/lectureships beginning June to September 1977. One year with possibility of renewal.

- 1) **Animal behavior/sociobiology**—prefer field and laboratory research on ecological and evolutionary questions.
- 2) **Neurosciences**—prefer research in neurotransmitter and hormonal regulation in relation to behavior.

Send curriculum vitae to: **Psychobiology Research Group, Department of Psychology, Gilmer Hall, University of Virginia, Charlottesville, Va. 22901.** *An Equal Opportunity Employer.*

Well-qualified **PSYCHOPHYSIOLOGIST** to assist on interdisciplinary sociopath research project. Expertise in the recording and measurements for both autonomic and electrocortical variables. Experience with PDP computer desirable. Immediate employment. Salary dependent on experience. Position at a community mental health center. Contact **Eugene Ziskind, M.D., Gateways Hospital, 1891 Effie Street, Los Angeles, California 90021; telephone 213-666-0171.**

RESEARCH ASSOCIATE: a postdoctoral position to study the relationship between the major histocompatibility complex and the complement system. Previous training in immunochemistry, immunogenetics of the H-2 and HL-A systems and complementology required. Salary: \$19,000 a year. Send curriculum vitae including names of references and representative publications to:

Box 157, SCIENCE

RESEARCH BIOCHEMIST to study the effects of alcohol on nerve and muscle. Applicant should have at least 3 years of postdoctoral experience, preferably in the field of alcohol research. This is an interdisciplinary project in an academic setting with good potential for growth. Please send curriculum vitae, bibliography, and summary of career goals to:

**Theodore L. Munsat, M.D., Professor and Chairman
Department of Neurology
Tufts-New England Medical Center
171 Harrison Avenue
Boston, Massachusetts 02111**

RESEARCH SCIENTIST. Ph.D. degree required, to study ocular effects of laser radiation. Experience in retinal photochemistry, visual physiology, or effects of UV laser radiation essential. Prompt availability desirable. Candidate may be eligible for faculty appointment in appropriate academic area. To apply, send résumé and names of three references to: **Chairman, Department of Bioengineering, The University of Texas Health Science Center at San Antonio, San Antonio, Texas 78284.** *An Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

RESEARCH TRAINING IN SALIVARY SECRETION

Positions are available for research training in the biochemistry, cell-biology, pharmacology and/or physiology of salivary secretion. Applicants should have Ph.D. or a professional degree (M.D., D.D.S., D.V.M., or equivalent) and must be U.S. citizen or have permanent visa. Graduate programs leading to Ph.D. or M.S. are available. Stipends: \$10,500 to \$13,200, depending on experience.

Send curriculum vitae and statement of research interests to: **Dr. Patricia Keller, Department of Oral Biology, University of Washington School of Dentistry, Seattle, Wash. 98195.**

University of Washington is an Equal Opportunity Employer.

SEDIMENTOLOGIST

The Department of Earth Sciences, Case Western Reserve University, is seeking a faculty member in the area of sedimentology. Candidates should have experience in the study of modern sedimentary environments and in the interpretation of ancient depositional environments from the study of sedimentary rocks. An interest in some aspect of fossil fuels or other natural resources is desirable. Ph.D. or equivalent required. Submit applications, consisting of résumé, names and addresses of three referees, transcripts, and a statement of research and teaching interests to: **Dr. S. M. Savin, Earth Sciences Department, Case Western Reserve University, Cleveland, Ohio 44106.** *Case Western Reserve University is an Equal Opportunity/Affirmative Action Employer.*

SENIOR RESEARCH INVESTIGATORS

Expanding research efforts in cardiovascular pharmacology require additional scientists in our hypertension and myocardial disease programs. A Ph.D. degree in pharmacology or physiology and 2 to 10 years of relevant postdoctoral experience in one of these areas is required.

In addition, we have a few vacancies at the B.S./M.S. level for people with experience in cardiovascular, renal, or pulmonary pharmacology.

We offer ultra modern laboratory facilities, excellent starting salaries and an excellent benefits package.

Please send your curriculum vitae with salary requirements in confidence to:

**Barbara Demarest
E. R. SQUIBB & SONS, INC.
P.O. Box 4000
Princeton, New Jersey 08540**

SUMMER TEACHING POSITIONS

The University of Minnesota Lake Itasca Forestry and Biological Station offers 5-week teaching positions each summer to experienced biologists who have distinguished themselves as researchers and instructors. Positions open in 1978 are field and research oriented courses in advanced topics in ecology and behavioral biology, fire ecology, and field entomology. Qualified and interested persons should contact **David F. Parmelee, 349 Bell Museum, University of Minnesota, Minneapolis, Minnesota 55455.** *An Equal Opportunity Employer.*

Applications from Ph.D.'s are invited for **TEACHING POSITIONS** in the following courses:

**Human Anatomy
Biological Chemistry
Biomedical Statistics
Medical Writing Techniques
Genetics
Embryology
Physiology
Epidemiology
Neuroanatomy
Histology
Nutrition in Medical Studies
Biophysics**

The University is located in the West Indies. Please send curriculum vitae to:

**St. George's University
c/o Consulate General
Francis M. Redhead
Grenada Mission to the United Nations
Suite 502, 866 Second Avenue
New York 10017**

Director, Epidemiology & Biometry Research Program

The National Institutes of Health invites applications for the position of Director, Epidemiology and Biometry Research Program, in The National Institute of Child Health and Human Development, one of eleven research Institutes located in Bethesda, Maryland. The NICHD conducts and supports basic and clinical research and research training in maternal and child health including perinatal and reproductive biology, population research, genetics, endocrinology, nutrition, human learning and behavior, and diseases of infancy and childhood.

Applicants should be trained in study design, basic research, clinical research or population research in order to direct and develop a research program in epidemiology involving the medical research/medical care interface and supervise epidemiologic and statistical research and consultation for the program areas of the NICHD. Applicants holding an M.D. degree are preferred, but Ph.D. or equivalent level training will be considered. At least 5 years of experience in pertinent bio-medical research required. Must have demonstrated managerial ability and competency in study design, data collection and analysis.

Position is in a top career U. S. Civil Service (210 (g) salary range \$39,629-\$47,500 per annum) or Public Health Commissioned Corps grade level, subject to the approval of the Civil Service Commission. Letters of applications with curriculum vitae, bibliography and references should be sent by May 31, 1977 to:

Ms. Lelia Stewart
National Institute of
Child Health & Human Development

NATIONAL INSTITUTES OF HEALTH

9000 Rockville Pike, Bldg. 31, Room 2A23

Bethesda, Md. 20014

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AUSTRALIAN MUSEUM—SYDNEY, NEW SOUTH WALES, AUSTRALIA DIVISION OF CULTURAL ACTIVITIES

CURATOR/ASSISTANT CURATOR DEPARTMENT OF ENVIRONMENTAL STUDIES

The Australian Museum is looking for a curator/assistant curator to participate in studies of disturbed terrestrial ecosystems. Recent research of the Department has been concerned with effects of fire, mining, and forestry operations on plant, bird, and mammal communities, and it is expected that the successful applicant will be able to contribute to these or similar areas of research. Opportunities also exist for studies of individual organisms and of undisturbed ecosystems.

Salary: Curator—A\$15,280 range A\$16,246 with progression to A\$17,406 subject to certain conditions. Assistant—A\$9,432 range A\$14,590.

Qualifications: Essential—degree from a recognized university; demonstrated ability to initiate and conduct research. Desirable—experience in planning and supervision of team research; interest in plant ecology or invertebrate animal ecology.

Duties: Initiate and conduct ecological research and biological surveys, answer public and professional scientific inquiries on ecology and on human impact on the environment.

General: The Australian Museum has a total staff of over 140 with 12 departments covering all systematic groups of animals plus environmental studies, palentology, mineralogy, and anthropology. The scientific staff numbers 30. Field research is emphasized and a wide range of field equipment is available.

Conditions: subject to certain conditions, the successful applicant will be eligible for:

- payment of fares to Sydney,
- financial assistance towards cost of removal expenses, and
- financial assistance towards initial accommodation expenses.

Applications: **The Director, The Australian Museum, P.O. Box A285, Sydney South, 2000, New South Wales, Australia.**

Close: applications close at the expiration of two calendar months from the date of publication of this advertisement.

CHIEF GEOLOGIST U.S. GEOLOGICAL SURVEY Reston, Virginia

Salary: GS-17, \$46,423 per annum
or
GS-18, \$47,500 per annum

The **CHIEF GEOLOGIST** directs highly diversified field and laboratory research programs on the geology of the United States, the Antarctic region, and the Continental Shelves. Total program is funded at about \$127 million (direct appropriation and reimbursement) and is carried out with a total personnel complement of about 3600 including more than 1400 full-time research scientists. Primary responsibilities are planning, coordination, management, and direction of highly diversified original and applied research in basic earth sciences (geology, paleontology, geophysics, geochemistry) and related natural science and support disciplines directed at increasing understanding and aiding in management of the mineral and energy potential of the land area of the United States and of adjacent continental margins. This research provides basic information on the character, magnitude, location, and distribution of mineral, energy, and land resources and on the principles and processes involved in their formation. Special programs also directed by the chief geologist include investigation and evaluation of geothermal resources, maintenance of seismic and geomagnetic observations as part of an earthquake hazards reduction program, offshore oil and gas resource appraisal, on-shore oil and gas investigations, and mineral land assessments.

Qualification requirements: established stature as research geologist and demonstrated expertise in successful direction and management of multifaceted earth science research at a program level similar in scope and breadth to that described above. Application must clearly reflect training and experience background which will have provided the executive-level knowledges, skills, and abilities necessary to carry out the functions described.

Interested candidates should submit Personal Qualifications Statement SF-171, together with bibliography, by 15 May 1977, to:

Personnel Officer
U.S. Geological Survey
12201 Sunrise Valley Drive (MS-215)
Reston, Virginia 22092

This position is in the federal career service with all civil service benefits.

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POSITIONS OPEN

STRUCTURAL BOTANIST University of Guelph

The Department of Botany and Genetics offers a faculty position for a plant scientist in the area of ultrastructure, anatomy, or morphology. The successful applicant will be expected to teach in one of the introductory courses offered by the department and also at the advanced level in his/her area of specialization.

Candidates should have a strong research background and will be expected to further his/her researches at Guelph. Academic rank and salary commensurate with qualifications and experience. Position to be filled as soon as a suitable candidate is available after 15 April 1977.

Applications should include a curriculum vitae and names of two referees, and be sent to: **The Chairman, Department of Botany and Genetics, College of Biological Science, University of Guelph, Guelph, Ontario, Canada, N1G 2W1.**

TOXICOLOGIST-Ph.D.

We are seeking an individual with a Ph.D. in toxicology who will be involved in safety testing of new drugs, the design of experiments, preparation of protocols, and the interpretation of clinical laboratory data. This position, currently available at our New Brunswick location, offers an excellent starting salary and benefits package.

Please submit résumé including salary requirements to:

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TUMOR IMMUNOLOGY RESEARCH ASSOCIATE: Ph.D. with experience in either cellular or humoral immunology preferably with experience in oncology. To participate in project on nutrition and tumor immunity in animals. Salary \$12,000 to \$15,000 depending on experience. Appointment to commence 1 June 1977. Send curriculum vitae and the names of three references to: **Dr. B. A. Weeks, Department of Microbiology, University of South Carolina School of Medicine, Columbia, South Carolina 29208.** *An Affirmative Action/Equal Opportunity Employer.*

VETERINARY ANATOMIST: A position is available at the assistant or associate professor level, effective 1 July 1977, in the Department of Anatomy and Physiology, College of Veterinary Medicine, Kansas State University. Ph.D. required; preference will be given to applicants with D.V.M. who have teaching experience. Responsibilities will include: (i) participation in teaching gross and applied anatomy, and (ii) participation in the graduate research program, preferably in area of large animal anatomy. Interested applicants should submit a curriculum vitae and list of three references, no later than 2 weeks from publication date, to: **Dr. D. E. Weinman, Department of Anatomy and Physiology, College of Veterinary Medicine, Kansas State University, Manhattan, Kansas 66506.** *Kansas State University is an Equal Opportunity/Affirmative Action Employer.*

UNIVERSITÉ LAVAL, FACULTÉ DES SCIENCES ET DE GÉNIE, DÉPARTEMENT DE BIOLOGIE

ZOOLOGIE DES VERTÉBRÉS. Le candidat devra donner un cours d'un trimestre en zoologie des vertébrés, participer à l'enseignement de l'écologie et à un stage d'écologie marine. Également il devra s'intégrer au groupe de recherche en écologie marine, dispenser un enseignement de 2e et 3e cycles et diriger des étudiants gradués. La préférence sera accordée à un spécialiste de la dynamique des populations de vertébrés marins. S.V.P. adresser curriculum vitae et nom de deux répondants à:

**Dr. Lucien Huot, directeur
Département de biologie
Faculté des sciences et de génie
Université Laval
Cité universitaire
Québec G1K 7P4, Canada**

POSITIONS OPEN

VERTEBRATE PHYSIOLOGIST, Loyola University of Chicago, at assistant professor level beginning 25 August 1977. Teaching duties involve courses in vertebrate physiology and human anatomy and physiology. In addition, graduate courses can be developed according to the expertise of the faculty member. Send curriculum vitae, research interests, and three letters of reference by 15 May 1977, to **Dr. Harold W. Manner, Chairman, Department of Biology, Loyola University of Chicago, 6525 North Sheridan Road, Chicago, Illinois 60626.**

VISUAL SCIENCE FACULTY POSITION

The Department of Ophthalmology and Visual Science at Yale University School of Medicine has organized a section of sensory motor disorders involving both clinical and research personnel. The department is seeking applicants to participate in the further development of this section. Candidates should be prepared to maintain a strong independent research program, and assist in teaching physiological optics in our residency program. Applicants should have a strong background in biomedical engineering and optics. Salary and rank to be negotiated commensurate with ability and experience. Please send a curriculum vitae, personal plans, and the names of three references by 30 May 1977 to: **Dr. Marvin L. Sears, Department of Ophthalmology and Visual Science, Yale University School of Medicine, New Haven, Connecticut 06510.** *An Equal Opportunity/Affirmative Action Employer.*

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FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP (1 to 3 years) in epidermal biochemistry and keratinization research is available in June 1977. Stipend support at NIH postdoctoral levels for applicants with Ph.D. or M.D. degree. Must be U.S. citizen or permanent resident. Inquires including curriculum vitae and names of three references to: **Dr. Lowell A. Goldsmith, Division of Dermatology, Duke University Medical Center, Durham, N.C. 27710. *Equal Opportunity Employer.***

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FELLOWSHIPS

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A few NIH postdoctoral fellowships for up to 3 years are available to study lung cell biology including biochemistry and ultrastructure. Excellent background in a basic science, medicine, or veterinary medicine is essential. A commitment to basic or applied research on the lung is desirable. Participating faculty are in departments of anatomy, biochemistry, medicine, and physiology. Inquiries, curriculum vitae, and names of three references to **Donald Masaro, M.D., University of Miami School of Medicine, P.O. Box 520875, Biscayne Annex, Miami, Florida 33152.** *An Equal Opportunity Employer.*

FELLOWSHIPS IN MARINE POLICY AND OCEAN MANAGEMENT

Applications are invited for 1-year postdoctoral fellowships from scholars and practitioners from relevant fields in the natural sciences, social sciences, and management who are interested in applying their disciplinary training and experience to investigations into questions of marine policy and ocean management which require a significant component of marine science. Recipients of awards are expected to pursue research full time, basing themselves in Woods Hole.

Applicants must have completed their doctorate degree or possess superior professional qualifications through career experience. Opportunities for investigators on sabbatical are also available. Fellowship stipend is \$13,000. Appointees are eligible for group health insurance and a modest research budget. Application deadline is 15 May 1977 for 1977-78 awards. Awards will be announced by 15 June. Write for application forms to **Dean of Graduate Studies, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts 02543.**

Equal Opportunity Institution, M/F

GRADUATE STUDY

GRADUATE STUDY IN ANATOMY UNIVERSITY OF ILLINOIS

Applicants are invited for enrollment in the graduate program in anatomy, leading to the Ph.D. degree and a career in teaching and research. Modern programs in electron microscopy, cell biology, neuroanatomy-neurophysiology, and functional morphology are offered. Teaching assistantships are available, with a stipend plus tuition costs. For application forms and further information write to **Dr. C. H. Anderson, Chairman, Graduate Studies Committee, Department of Anatomy, University of Illinois at the Medical Center, Box 6998, Chicago, Ill. 60680.** *The University of Illinois is an Equal Opportunity Employer.*

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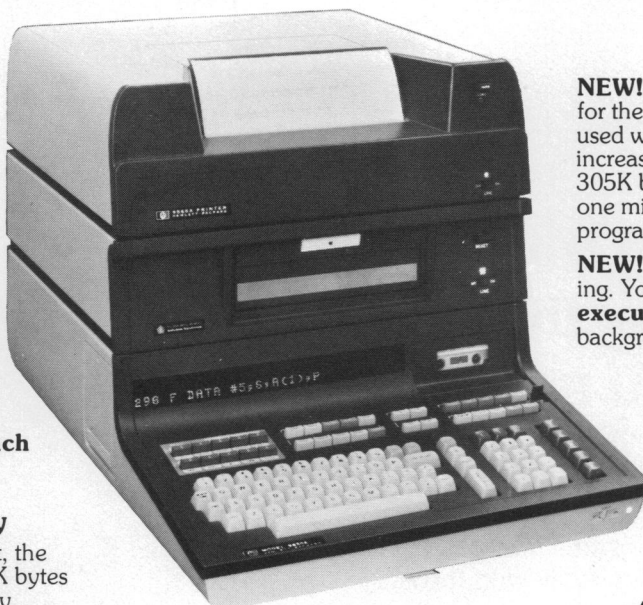
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